2096/14-15.

ಪಿ.ಕೆ.ಎ. ಮಾಡೇ

/06/2014, ಶಂಡು

ಸಂ: 209501-209600

ಕಾರ್ಯಪಾಲಕ ಇಂಜಿನಿಯರ್

ಕಾರ್ಯಪಾಲಕ ಇಂಜಿನಿಯರ್
ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ,
ಬೃ.ಬೆ.ಮ.ಪಾ. ಯಲಹಂಕ ವಲಯ
ಸಹಕಾರನಗರ, ಬೆಂಗಳೂರು-92.

M. A. R. 57 (Rule 116)
Measurement Book

No. B

209501

Serial No. BR - 347/30-8-14

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of work:- Improvements to CC Roads at Veeradaraja Nagar behind Govt. School Roads in ward No 11						
	Work Code No:- 011-14-000060 Estimated Cost: Rs 20.00 lakhs						
	Work order No:- EE/BOP/BBMP/E-pmu/39/ur-15 Date:- 15-7-14						
	Name of Agency:- Sri Ananthanarayana. Anjanappa #38 Chamappa layout Sharadamba Nagar Jalahalli Village. B-Pin 13						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Recorded on 28/2/14						
	1) Earth work excavation by manual means in hard soil involving an average horizontal throw upto 2 meters of an average lift upto 0.5 mtr, excavated surface leveled & solidly neatly dressed, the disposed earth to be leveled neatly after breaking of clods etc. Complete as per specification						
	For .ce Road						
		1	29.00	$\frac{2.40+1.60}{2}$	0.20	= 11.60	
		1	15.50	$\frac{3.50+2.80}{2}$	0.20	= 9.77	
		1	7.00	$\frac{1.90+3.10}{2}$	0.20	= 3.50	
		1	5.50	$\frac{1.40+2.70}{2}$	0.20	= 2.26	

M. A
Me

Serial No. .....
Name of Work ..... From
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
		1
		1
		1
		1
		1
		1

OOK

Depth 6	Contents 7	Reference to last Measurement 8
means is used for all upto 2 meters of ons surface leveled & Solidly to be leveled neatly after specification		
1.60x0.20 = 11.60		
.8x0.20 = 9.77		
.10x0.20 = 3.50		
.0x0.20 = 2.26		

M. A. R. 57 (Rule 116)
Measurement Book

No. B

209502

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		1	7.40	$\frac{2.10+1.60}{2}$	0.20	= 2.74	
		1	2.80	$\frac{1.80+1.20}{2}$	0.20	= 0.76	
		1	18.00	$\frac{2.60+2.80}{2}$	0.20	= 9.72	
		1	35.80	$\frac{3.00+2.00}{2}$	0.20	= 17.90	
		1	3.50	$\frac{2.10+1.80}{2}$	0.20	= 1.37	
		1	9.50	$\frac{2.10+1.80}{2}$	0.20	= 3.71	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		2	3.80	—	—	= 7.60	
		3	3.00	—	—	= 9.00	
		3	3.80	—	—	= 11.40	
		3	2.20	—	—	= 6.60	
			Total Qty			138.40 Mtr	
			Limited to			135.00 Mtr	
			@ Rs 144.00			Rs, 19440-00	

5) providing & laying cement Concrete using 20mm of down size Granite Jelly of ready mixed Concrete (RMC) for R.C.C works laid in 15cms thick layers & well compacted vibrating, curing

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	finishing with necessary to withstand pressure Mixed cement concrete Roofing Main & Second For CC Road

BOOK

ns		Contents	Reference to last Measurement
eadth 5	Depth 6	7	8
—	—	= 7.60	
—	—	= 9.00	
—	—	= 11.40	
—	—	= 6.60	
		138.40 cu.mtr	
		135.00 Mtr	
		Rs, 19440-00	

e using 20mm of down size
ete (RMC) for R.C.C works
Compacted Vibrating, Curing

M. A. R. 57 (Rule 116)
Measurement Book

No. B

209508

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Finishing with necessary Cement Mortar form works & Scaffolding to withstand pumping of Concrete with all lead & lift etc. Ready Mixed Cement Concrete M-20 (1:1.5:3) for raft Foundation, Column Footing, Main & Secondary Beams etc. Complete as per Specifications.						
	For C.C Road	1	29.00	$\frac{2.40+1.60}{2}$	0.10	= 5.80	
		1	15.50	$\frac{3.50+2.80}{2}$	0.10	= 4.88	
		1	7.00	$\frac{1.90+3.10}{2}$	0.10	= 1.75	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	5.50	$\frac{1.40+2.70}{2}$	0.10	= 1.13	
		1	7.40	$\frac{2.10+1.60}{2}$	0.10	= 1.37	
		1	2.80	$\frac{1.50+1.20}{2}$	0.10	= 0.38	
		1	18.00	$\frac{2.60+2.80}{2}$	0.10	= 4.86	
		1	35.80	$\frac{3.00+2.40}{2}$	0.10	= 8.95	
		1	3.50	$\frac{2.10+1.80}{2}$	0.10	= 0.68	
		1	9.50	$\frac{2.10+1.80}{2}$	0.10	= 1.85	
		1	27.00	$\frac{1.00+1.10}{2}$	0.10	= 2.84	
		1	12.10	$\frac{3.30+1.70}{2}$	0.10	= 3.03	

M

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	

DOOK

Depth 6	Contents 7	Reference to last Measurement 8
.70	x 0·10 = 1·13	
.60	x 0·10 = 1·37	
.20	x 0·10 = 0·38	
.80	x 0·10 = 4·86	
.40	x 0·10 = 8·95	
.0	x 0·10 = 0·68	
.80	x 0·10 = 1·85	
.10	x 0·10 = 2·84	
.70	x 0·10 = 3·03	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209509

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		1	x 3·00	x (1·80+1·70)/2	x 0·10	= 0·53	
		1	x 30·00	x (3·50+2·20)/2	x 0·10	= 8·55	
		1	x 13·40	x (2·20+2·40)/2	x 0·10	= 3·08	
		1	x 6·80	x (3·00+3·20)/2	x 0·10	= 2·11	
		1	x 6·50	x (1·40+2·00)/2	x 0·10	= 1·11	
		1	x 13·40	x (2·30+2·10)/2	x 0·10	= 2·95	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	15.50	$\frac{2.60+2.00}{2}$	0.10	= 3.57	
		1	30.00	$\frac{4.00+4.00}{2}$	0.10	= 12.00	
		1	30.00	$\frac{4.00+4.40}{2}$	0.10	= 12.60	
		1	30.00	$\frac{4.40+3.90}{2}$	0.10	= 12.45	
		1	9.60	$\frac{3.90+4.40}{2}$	0.10	= 3.98	
		1	10.80	$\frac{2.90+3.00}{2}$	0.10	= 3.19	
		1	30.00	$\frac{4.40+4.20}{2}$	0.10	= 12.90	
		1	31.50	$\frac{4.20+4.40}{2}$	0.10	= 13.86	

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	
	Road patches	
	6) Vaccum De-Waterin	

BOOK

ons		Contents	Reference to last Measurement
readth 5	Depth 6	7	8
60+2.00 / 2	x0.10	= 3.57	
00+4.00 / 2	x0.10	= 12.00	
00+4.48 / 2	x0.10	= 12.60	
0+3.90 / 2	x0.10	= 12.45	
0+4.48 / 2	x0.10	= 3.98	
0+3.00 / 2	x0.10	= 3.19	
0+4.20 / 2	x0.10	= 12.90	
0+4.00 / 2	x0.10	= 13.86	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

209510

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Road patches	1	x 20.30	x 0.60	x 0.10	= 1.28	
		1	x 30.00	x 0.60	x 0.10	= 1.80	
		1	x 25.10	x 0.60	x 0.10	= 1.51	
					Total qty	134.90 M3	
					Limited to	134.50 M3	
					@ Rs 6787.48	Rs, 912916.00	
6)	Vaccum De-watering with Vaccum pump & Suction Mat &						

C.O.F.C.
30/9/2014

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Compaction with skin floater clubbed with floating disc including cost of generator Hire of Machinery screed vibrating, power floater, blade & disc etc. complete as per specifications.						
	For CC Road	$1 \times 29.00 \times \frac{2.40+1.60}{2}$				= 58.00	
		$1 \times 15.50 \times \frac{3.50+2.80}{2}$				= 48.83	
		$1 \times 7.00 \times \frac{1.90+3.10}{2}$				= 17.50	
		$1 \times 5.50 \times \frac{1.40+2.70}{2}$				= 11.28	
		$1 \times 7.40 \times \frac{2.10+1.60}{2}$				= 13.69	

M. A. R
Meas

Serial No. .....

Name of Work ..... From....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
		1 × 2
		1 × 1
		1 × 3
		1 × 3
		1 × 9
		1 × 2

BOOK

ions		Contents	Reference to last Measurement
readth 5	Depth 6	7	8
bed with Floating dry			
n of Machinary Screed			
dry etc. Complete as per			
40+1.60 / 2		= 58.00	
50+2.80 / 2		= 48.83	
0+3.10 / 2		= 17.50	
0+2.70 / 2		= 11.28	
0+1.60 / 2		= 13.69	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

209511

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		1	× 2.80	× (1.50+1.20)/2	× —	= 3.78	
		1	× 18.00	× (2.60+2.80)/2	—	= 48.60	
		1	× 35.80	× (3.00+2.00)/2	—	= 89.50	
		1	× 3.50	× (2.10+1.80)/2	—	= 6.83	
		1	× 9.50	× (2.10+1.80)/2	—	= 18.53	
		1	× 27.00	× (1.00+1.10)/2	—	= 28.35	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	12.10	$\frac{3.30+1.70}{2}$		30.25	
		1	3.00	$\frac{1.80+1.70}{2}$		5.25	
		1	30.00	$\frac{3.50+2.20}{2}$		85.50	
		1	13.40	$\frac{2.20+2.40}{2}$		30.82	
		1	6.80	$\frac{3.00+3.20}{2}$		21.08	
		1	6.50	$\frac{1.40+2.00}{2}$		11.05	
		1	13.40	$\frac{2.30+2.10}{2}$		29.48	
		1	15.50	$\frac{2.60+2.00}{2}$		35.65	

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	

BOOK

ons		Contents	Reference to last Measurement
readth 5	Depth 6	7	8
·30+1·70 / 2		= 30·25	
00+1·70 / 2		= 5·25	
50+2·20 / 2		= 85·50	
·20+2·40 / 2		= 30·82	
00+3·20 / 2		= 21·08	
·40+2·00 / 2		= 11·05	
·30+2·10 / 2		= 29·48	
·60+2·00 / 2		= 35·65	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

209512

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		1	× 30·00	× (4·00+4·00)/2		= 120·00	
		1	× 30·00	× (4·00+4·40)/2		= 126·00	
		1	× 30·00	× (4·40+3·90)/2		= 124·50	
		1	× 9·60	× (3·90+4·40)/2		= 39·84	
		1	× 10·80	× (2·90+3·00)/2		= 31·86	
		1	× 30·00	× (4·40+4·20)/2		= 129·00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Road patches		1 × 31.50 × $\frac{4.20+4.40}{2}$			= 138.80	
			1 × 20.30 × 0.60 ×			= 12.18	
			1 × 30.00 × 0.60			= 18.00	
			1 × 25.10 × 0.60			= 15.06	
			Total Qty			1348.99 m2	
			Limited To			1345.00 M2	
			@ 96.38			Rs 129681=00	
	7) For Third party Qc Inspection charges @ 1% of Estimate Cost					Rs 21,000=00	

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	

OOK

	Depth 6	Contents 7	Reference to last Measurement 8
440		— 138.80	
0x		— 12.18	
0		— 18.00	
0		— 15.06	
3/4		1348.99 m2	
/ TO		1345.00 M2	
38		Rs, 129681=00	
		Rs 21,000=00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

209513

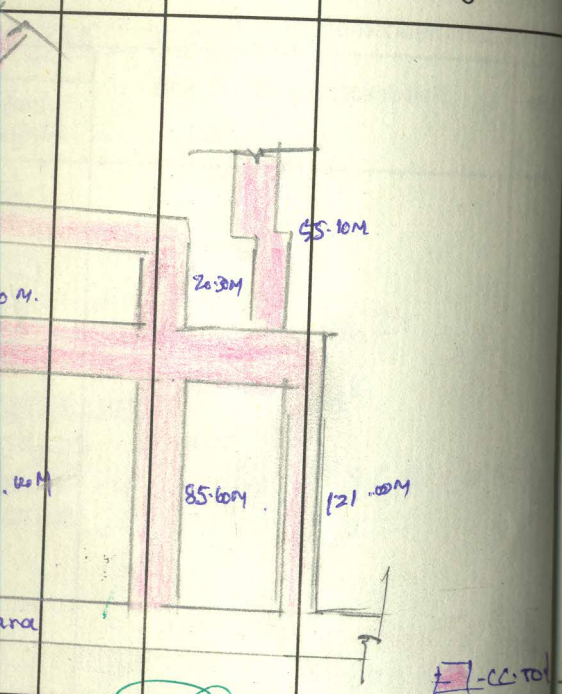
Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
				Total			Rs, 2082464=00
							2062461=00
		30/9/14		30/9/14			

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ವಲಯ,
ಬೃ. ಬೆಂ. ಮ. ಪಾ., ಬೆಂಗಳೂರು-97

BOOK

ns		Contents	Reference to last Measurement
eadth 5	Depth 6	7	8



ಸ. ಕಾ. ಅ.

M. A. R. 57 (Rule 116)
Measurement Book

No. B

209514

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	2067461=00		IT	20625			
	284426=00		VAT	87498			
	177803=00		SD	123748			
			EMD	20625			
			CBF	2063			
			Roy	74862			
			Total	284426=00			